

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-18. (CANCELED)

19. (PREVIOUSLY PRESENTED) A method of identifying agonists to the IGS1 polypeptide comprising an amino acid sequence that is at least 80% identical to the amino acid sequence of SEQ ID NO: 2 over its entire length, comprising:

(a) contacting a cell which produces a IGS1 polypeptide with a test compound;
and

(b) determining whether the test compound effects a signal generated by activation of the IGS1 polypeptide.

20. (ORIGINAL) An agonist identified by the method of claim 19.

21. (PREVIOUSLY PRESENTED) The method for identifying antagonists to the IGS1 polypeptide comprising an amino acid sequence that is at least 80% identical to the amino acid sequence of SEQ ID NO: 2 over its entire length, comprising:

(a) contacting a cell which produces a IGS1 polypeptide with an agonist; and

(b) determining whether the signal generated by said agonist is diminished in the presence of a candidate compound.

22. (ORIGINAL) An antagonist identified by the method of claim 21.

23-24. (CANCELED)

25. (PREVIOUSLY PRESENTED) The method of claim 19 wherein the IGS1 polypeptide comprises an amino acid sequence identical to the amino acid sequence of SEQ ID NO: 2.

26 (PREVIOUSLY PRESENTED) The method of claim 21 wherein the IGS1 polypeptide comprises an amino acid sequence identical to the amino acid sequence of SEQ ID NO: 2.